



Utility Energy Forum

Transforming the West

April 2023

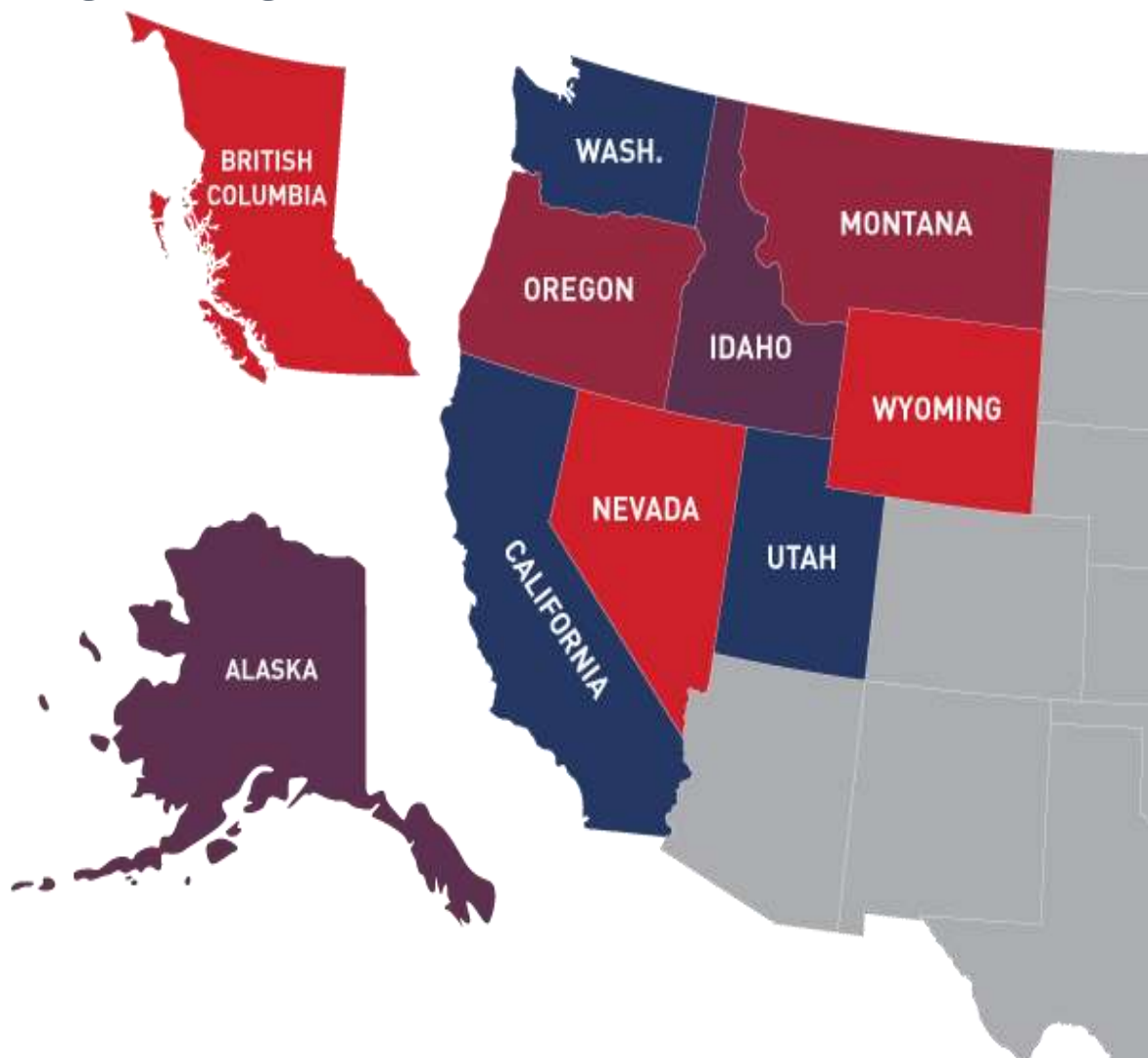
Scott Corwin  
Executive Director, NWPPA



# NWPPA: Who We Are

**We represent over 150** public power consumer-owned utilities in the Western United States and Canada and over **350** Associate Member companies.

**Mission** - to enhance the success of the members through education, training, timely communication, governmental and regulatory relations.



# NWPPA: Workforce-Focused From the Start

**83 years of service to  
consumer-owned utilities**

NWPPA was formed in 1940

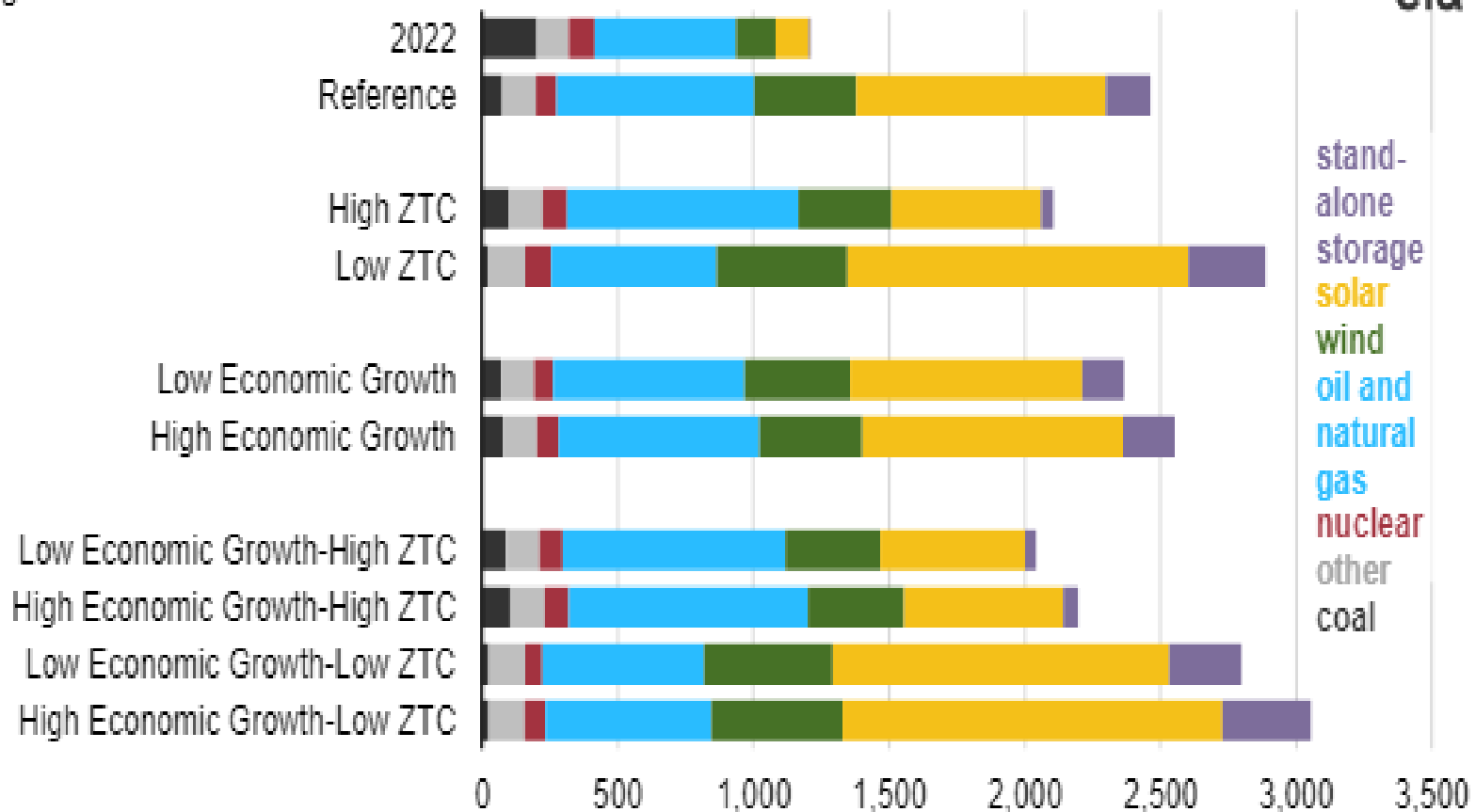
**Mission:** enhance the success  
of the members:

1. Education & training
2. Timely communications
3. Governmental and  
regulatory relations



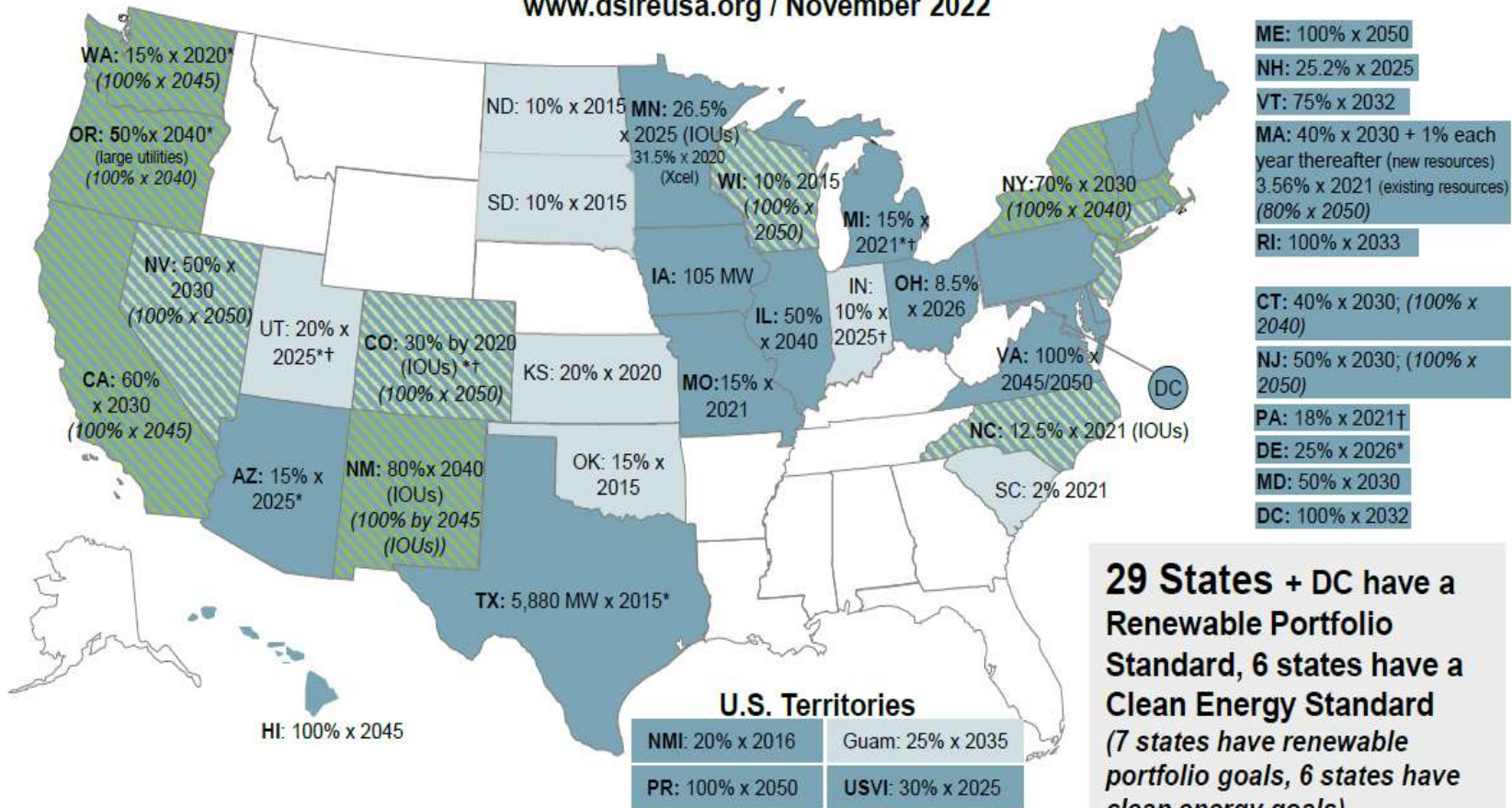
# What is transforming and when

Total U.S. installed power capacity by AEO2023 case, 2022 (history) and 2050 gigawatts



# Renewable & Clean Energy Standards

www.dsireusa.org / November 2022



- Renewable portfolio standard
- Clean energy standard
- Renewable portfolio goal
- Clean energy goal

- \* Extra credit for solar or customer-sited renewables
- † Includes non-renewable alternative resources

- ME: 100% x 2050
- NH: 25.2% x 2025
- VT: 75% x 2032
- MA: 40% x 2030 + 1% each year thereafter (new resources)  
3.56% x 2021 (existing resources)  
(80% x 2050)
- RI: 100% x 2033
- CT: 40% x 2030; (100% x 2040)
- NJ: 50% x 2030; (100% x 2050)
- PA: 18% x 2021†
- DE: 25% x 2026\*
- MD: 50% x 2030
- DC: 100% x 2032

WA: 15% x 2020\*  
(100% x 2045)

OR: 50% x 2040\*  
(large utilities)  
(100% x 2040)

NV: 50% x 2030  
(100% x 2050)

CA: 60% x 2030  
(100% x 2045)

AZ: 15% x 2025\*

NM: 80% x 2040 (IOUs)  
(100% by 2045 (IOUs))

TX: 5,880 MW x 2015\*

CO: 30% by 2020 (IOUs)\*†  
(100% x 2050)

KS: 20% x 2020

OK: 15% x 2015

ND: 10% x 2015

SD: 10% x 2015

MN: 26.5% x 2025 (IOUs)  
31.5% x 2020 (Xcel)

IA: 105 MW

MO: 15% x 2021

WI: 10% 2015  
(100% x 2050)

IL: 50% x 2040

MI: 15% x 2021\*†

IN: 10% x 2025†

OH: 8.5% x 2026

NY: 70% x 2030  
(100% x 2040)

VA: 100% x 2045/2050

NC: 12.5% x 2021 (IOUs)

SC: 2% 2021

DC



# California, Oregon, Washington

SMUD MAKES  
STRIDES  
TOWARD 2030  
ZERO-CARBON  
GOAL



Redding Electric Utility's  
Emergency Operations Center  
Benefits All



SNOHOMISH PUD'S  
ARLINGTON MICROGRID



Seattle City Light  
**Transportation Electrification**  
Strategic Investment Plan

**EWEB publishes first draft of  
roadmap to Eugene's reliable,  
affordable and clean energy future**



ECONOMIC GROWTH:  
EMERALD PUD PLANS  
FOR THE COMING YEARS

Much evolution in tech  
and business models --  
EE still critical

## Other Issues in Washington

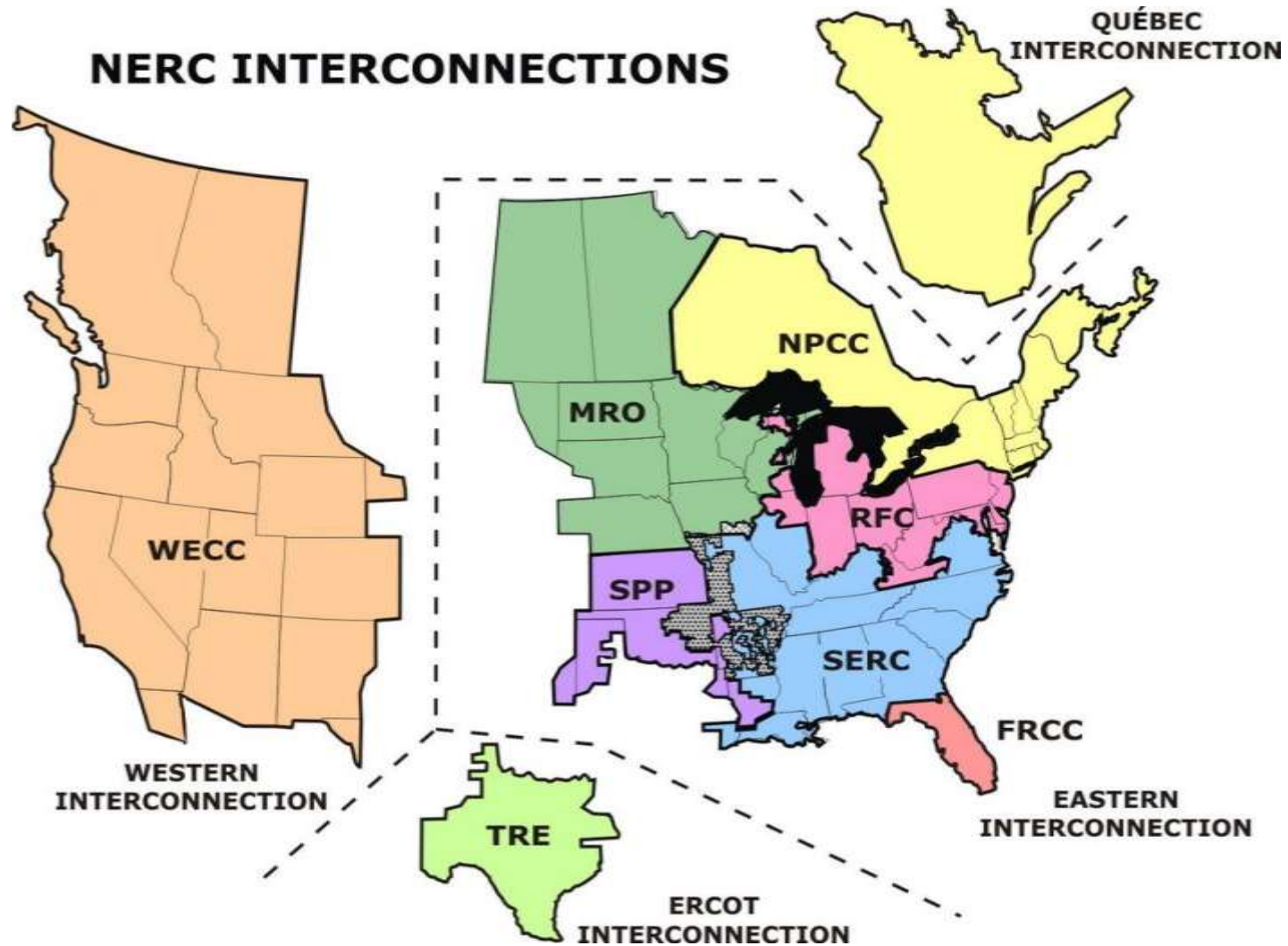
- Reliability Bill –
- Dam/Navigation Study
- Wildfire Law -
  - Mitigation Plans
- Green Hydrogen Hub

## & Oregon

- Similar on Wildfire
  - Focus on urban interface (WUI), Risk maps, Mitigation Plans for all
- Building Standards bill
- Data Center bill loses steam

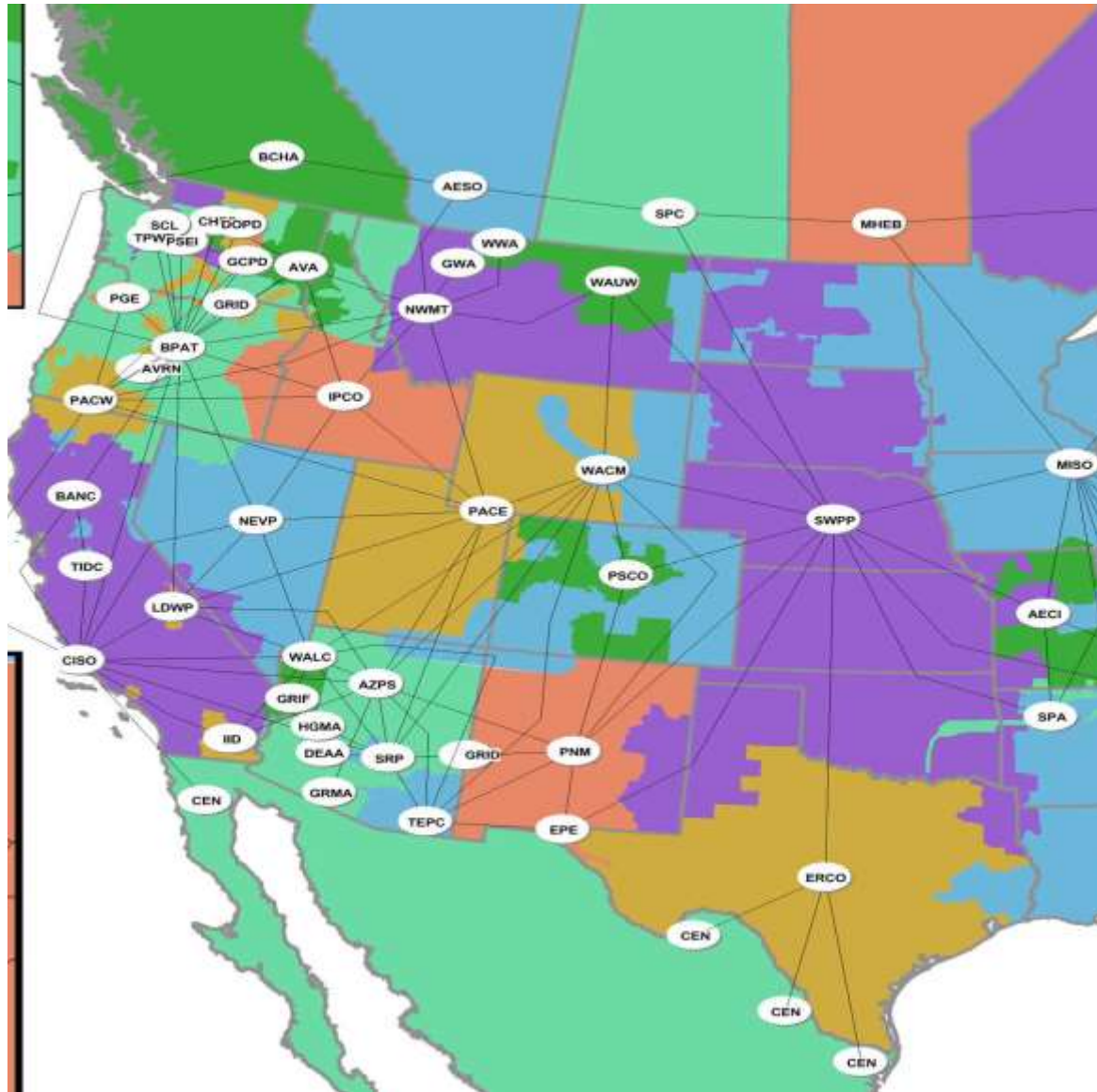


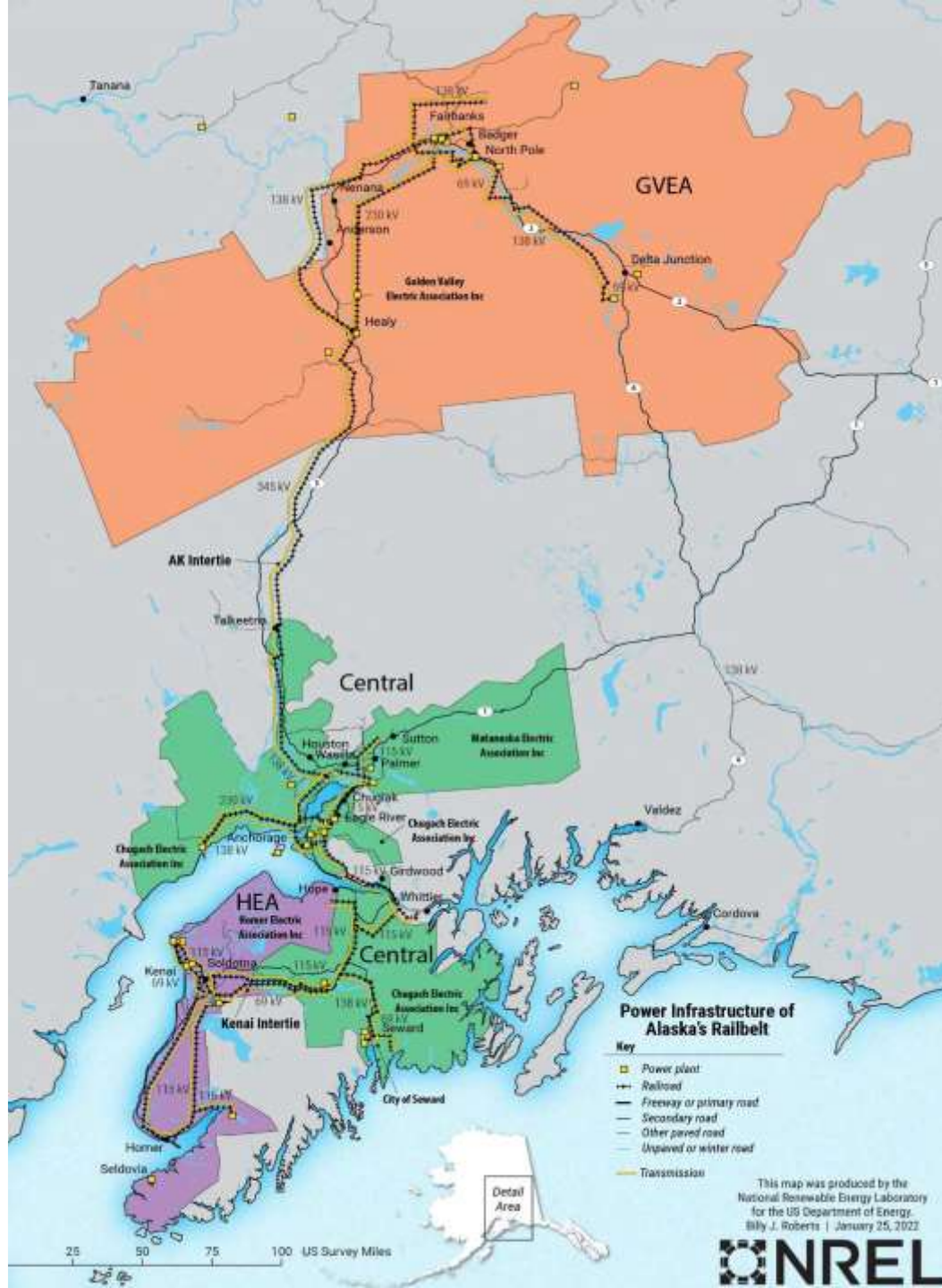
# The State of the West - big picture landscape





Tying things together v. Many many balancing authority areas







Kodiak -Electric Crane

## ALASKA

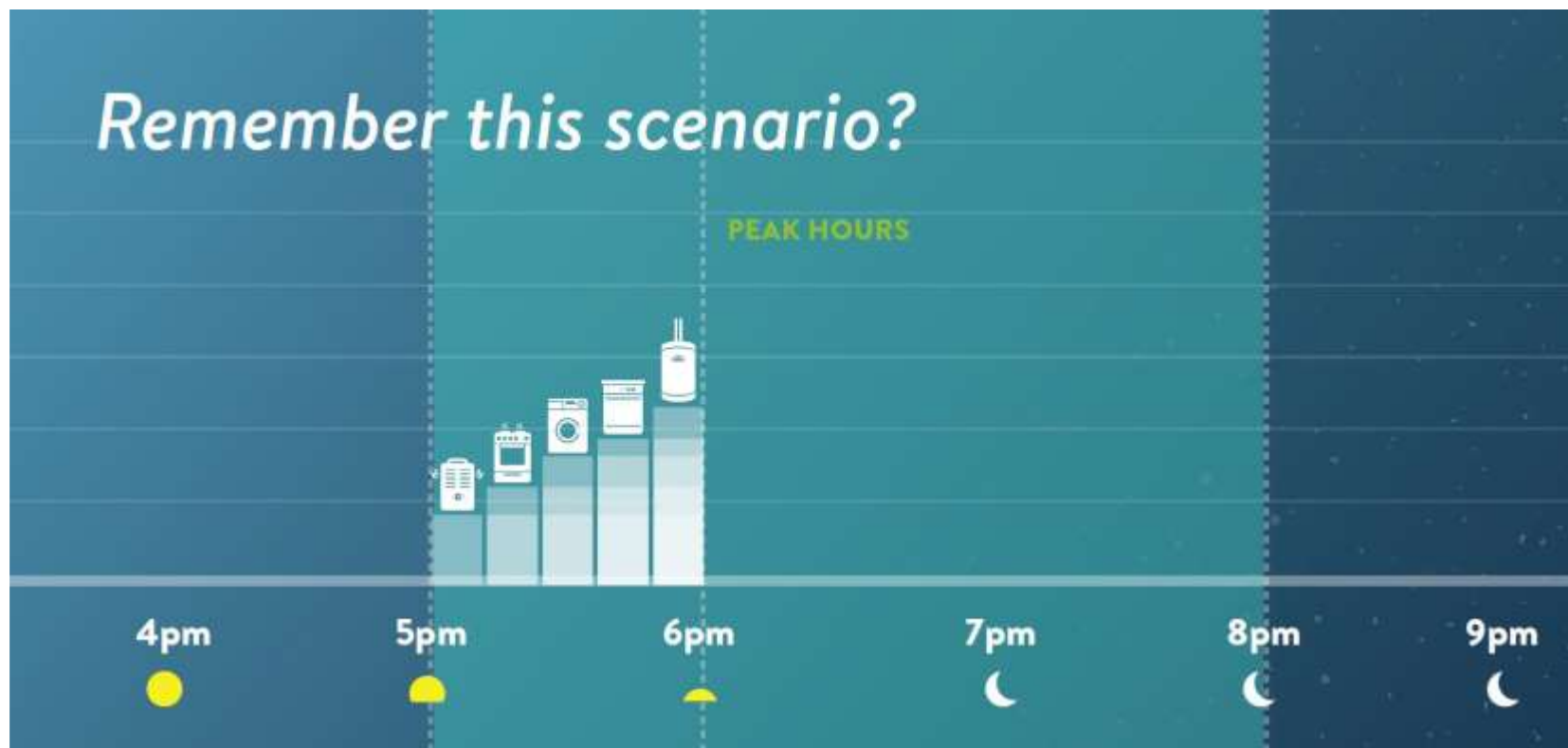
- Utilizing new technology: reducing diesel reliance
- Partnering Wind and BESS
- Combining Hydro, Flywheels, and BESS
- Pursuing solar
- Strategic plans with carbon reduction goals
- Community Wildfire Protection Plans (CWPPs)
- Focus on Wildland Urban Interface (WUI)





# Montana

Flathead Electric Co-op - addressing the peak: residential demand charge



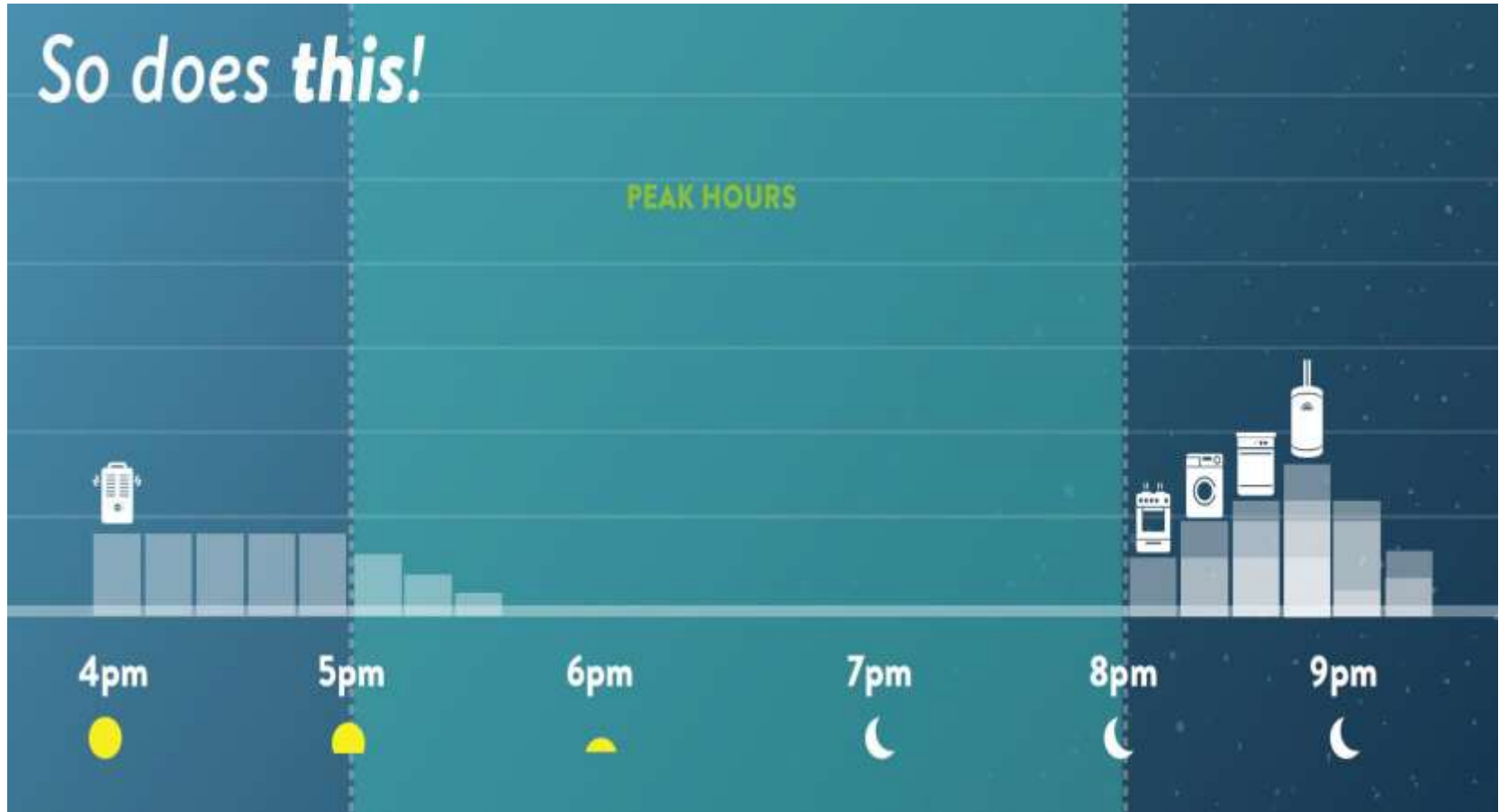


Eased it in, only weekdays 7-10am and 5-8pm,  
no holidays.  
At \$0.26 /kw & lowered the energy charge.



So does *this!*

PEAK HOURS



## IDAHO

- Idaho Falls: resilience with hydro micro grid
- And, investigating small nuclear future



## WYOMING

- Coal to nuclear bill inspired other states



## UTAH

- UAMPS – decarbonizing incl. small nuclear
- Wildland Fire Planning and Cost Recovery
  - Clarifies authority of PSC
  - Requires mitigation plans of utilities
  - Some liability protection



## Nevada

- Energy Independence Focus
- Requirement to join an RTO
- Wildland Fire Protection Program -
- Fire Board of Directors: Fed, State, Local





# Themes and Industry Issues for the 118<sup>th</sup> Congress

Hydropower Support and Permitting Reform

Supply Chain, esp. Transformer Availability

Wildfire Suppression, Prevention & Vegetation  
Management – Safety and Infrastructure

Regs for Direct Pay Tax Energy Tax Credits

- [www.nwppa.org/government-relations/#resolutions](http://www.nwppa.org/government-relations/#resolutions)

# NWPPA Policy Mission

**Our Roles - Testimony, Visits, Letters, Coordination of other Trade Associations**

Energy Policy

Hydro Relicensing Reform

Vegetation Mgmt on Rights of Ways

Endangered Species

FCC Regulation and Pole Attachments

Cybersecurity

Wildfire Regs & Funding

Pro Hydro and Generation Generally – Resource Adequacy

Reliability Standards & Enforcement Reform





## Wildfire Suppression, Prevention and Vegetation Management

- **Wildfire** funding moving right direction
- NWPPA supports administrative action and legislation to build extensive fire breaks and to conduct **vegetation management**
- NWPPA urges complete and **consistent implementation** of the vegetation management law passed in 2018
- Federal land managers should **work closely with utilities**

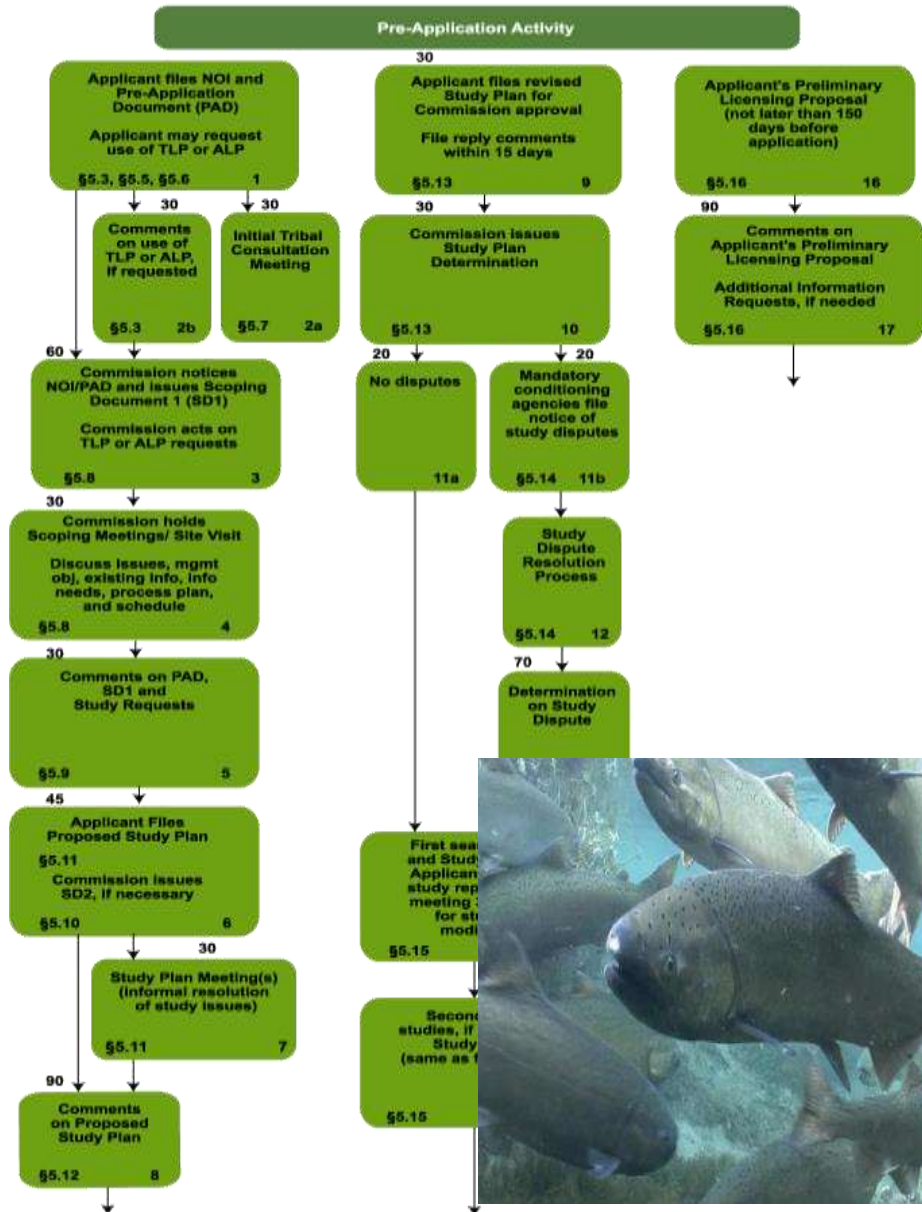


# Hydropower including non-Fed FERC licensing morass



## PROCESSES FOR HYDROPOWER LICENSES Integrated Licensing Process (ILP)

5.5-5 years before expiration for relicense

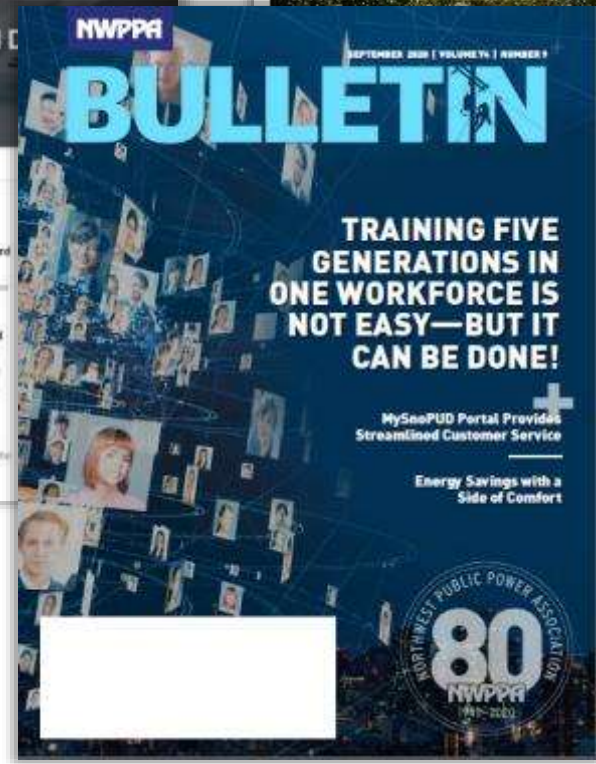
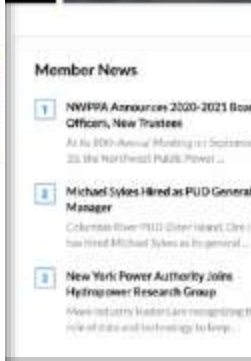
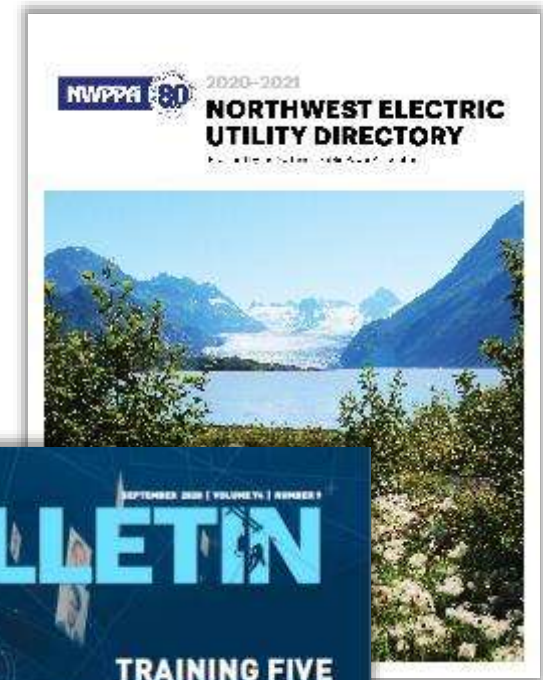
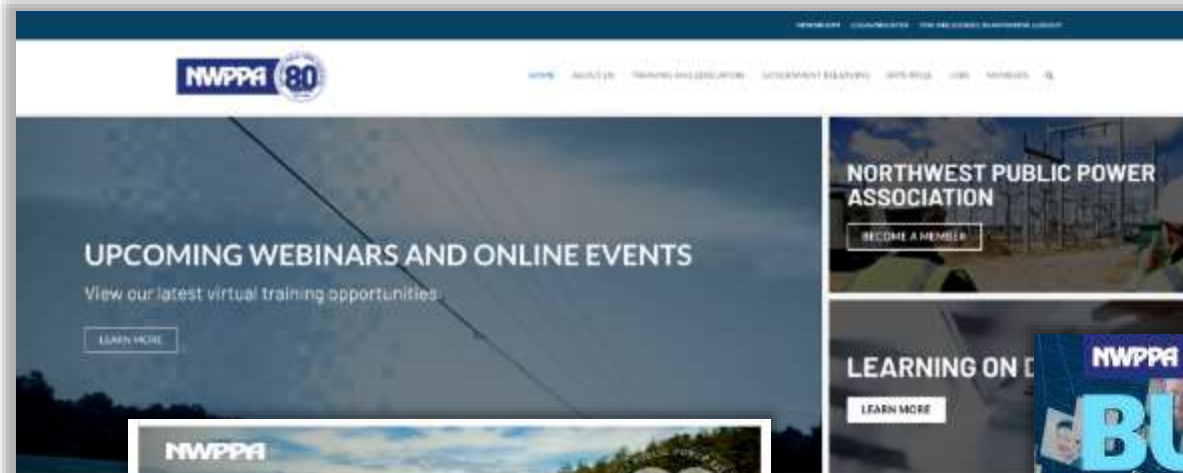




# Westwide Concerns – beyond power and transmission: workforce challenges

- Labor crunch and inflation, load and resource evolutions...
- Localized issues and challenges in the trades
- Recruiting, retention, apprenticeships, mentoring

# Communications: Keeping Informed, Job Postings, Other Insights...



# Why does it matter to you?

## Connecting to the mission





Questions and Commentary?

## Utility Energy Forum

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